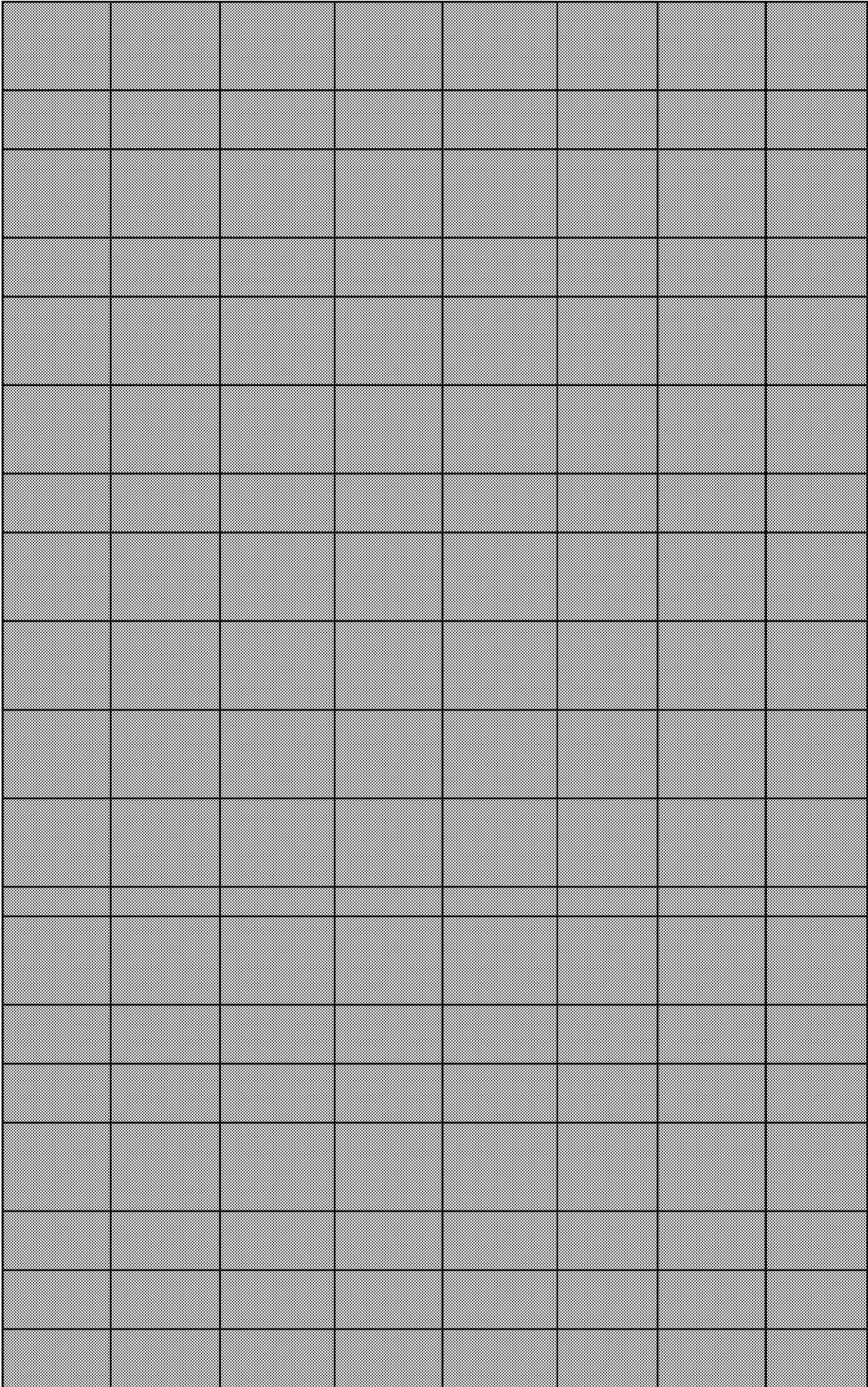


Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1



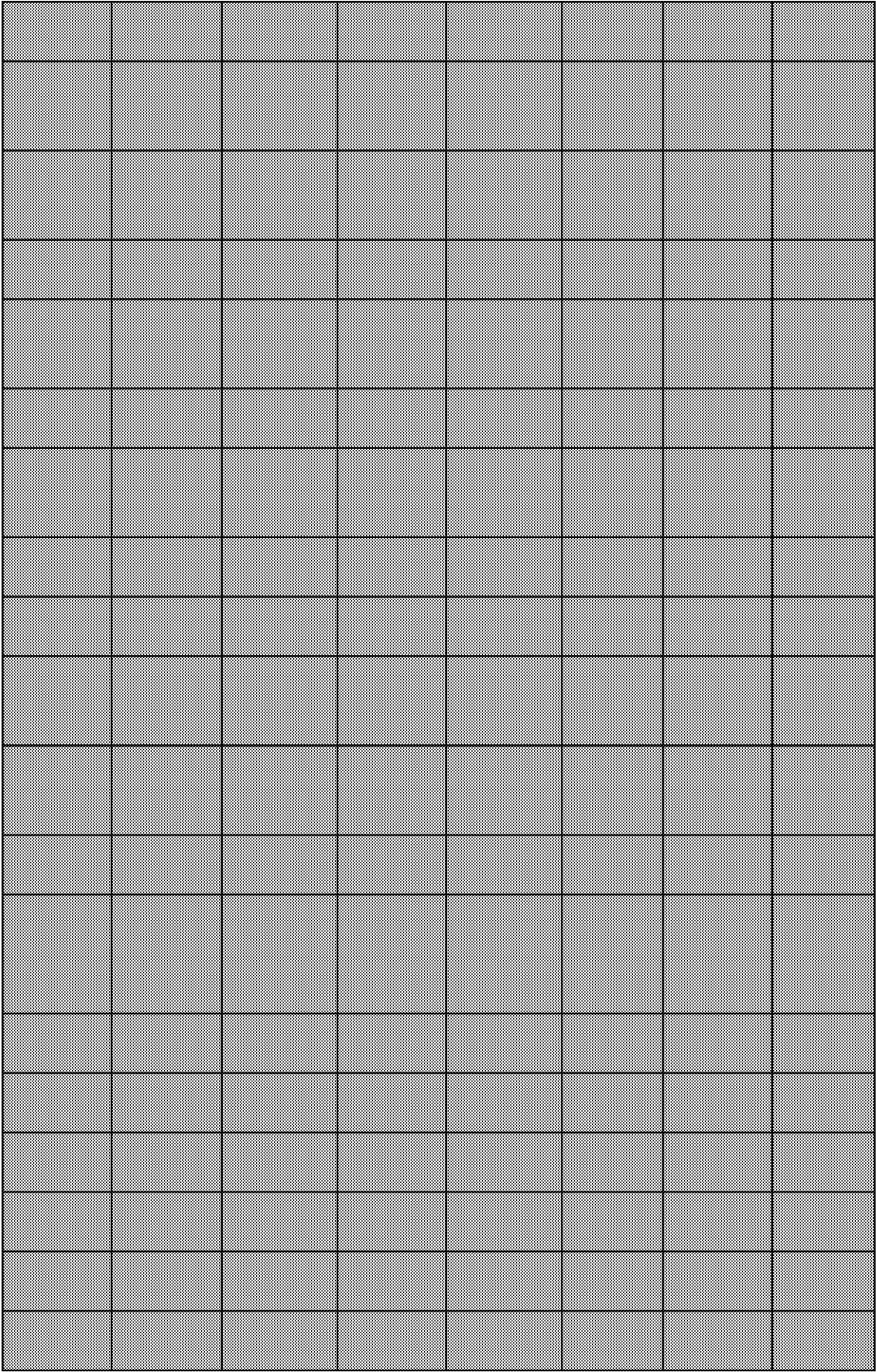
4314
4315
4316
4317
4318
4319
4320
4321
4322
4323
4324
4325
4326
4327
4328
4329
4330
4331
4332

Jay B. Peterson. Metonidazole inhibition of nitrogenase activity in <i>Azotobacter vinelandii</i> . <i>Biochimica et Biophysica Acta (BBA) - General Subjects</i> . 1988. 964:354-360
K. Rank Pilz. Redox Status of Pyridine Nucleotides and O ₂ Gas Exchange of <i>Picea abies</i> (L.) Karst. Seedlings under Experimentally Induced Oxidative Stress. <i>Biochemie und Physiologie der Pflanzen</i> . 1992. 188:231-240
M. Schneider Pinkwart. Purification and properties of the membrane-bound hydrogenase from N ₂ -fixing <i>Alcaligenes latus</i> . <i>Biochimica et Biophysica Acta (BBA) - Protein Structure and Molecular Enzymology</i> . 1983. 745:267-278
Rafael Mart. Inhibitors of fatty acid biosynthesis in sunflower seeds. <i>Journal of Plant Physiology</i> . 2006. 163:885-894
L. Fuoco Posp. Electrocatalytic reduction of oxygen by cation radicals of methyl viologen or diquat complexes with macrocyclic crown ethers. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> . 1988. 256:83-93
R. Rioboo Prado. The herbicide paraquat induces alterations in the elemental and biochemical composition of non-target microalgal species. <i>Chemosphere</i> . 2009. 76:1440-1444
Roger C. Linkletter Prince. The thermodynamic properties of some commonly used oxidation-reduction mediators, inhibitors and dyes, as determined by polarography. <i>Biochimica et Biophysica Acta (BBA) - Bioenergetics</i> . 1981. 635:132-148
L. J. Dilley Prochaska. Chloroplast membrane conformational changes measured by chemical modification. <i>Archives of Biochemistry and Biophysics</i> . 1978. 187:61-71
Barbara C. Nicholas Radcliffe. Some properties of a nitrite reductase from <i>Pseudomonas denitrificans</i> . <i>Biochimica et Biophysica Acta (BBA) - Bioenergetics</i> . 1968. 153:545-554
Samuel Rabinowitz Raeburn. Pyruvate: Ferredoxin oxidoreductase: II. Characteristics of the forward and reverse reactions and properties of the enzyme. <i>Archives of Biochemistry and Biophysics</i> . 1971. 146:21-33
Annamaria Pieruccetti Ranieri. SO ₂ -induced decrease in photosynthetic activity in two barley cultivars. Evidence against specific damage at the protein-pigment complex level. <i>Plant Physiology and Biochemistry</i> . 1999. 37:919-929
J. Zhu Wang. Protein conformational perturbations affect the photoreduction of native cytochrome c peroxidase (III) at alkaline pH. <i>Biochemistry</i> . 1992. 31:12847-54
Fernanda Gobbo Ricchelli. Porphyrins as fluorescent probes for monitoring phase transitions of lipid domains in biological membranes. Factors influencing the microenvironment of haematoporphyrin and protoporphyrin in liposomes. <i>Journal of Photochemistry and Photobiology B: Biology</i> . 1995. 29:65-70
Fernanda Jori Ricchelli. Liposomes as models to study the distribution of porphyrins in cell membranes. <i>Biochimica et Biophysica Acta (BBA) - Biomembranes</i> . 1991. 1065:42-48
Jean-Michel Ravanel Richard. Phytotoxicity of orellanine, a mushroom toxin. <i>Toxicon</i> . 1987. 25:350-354
Michael Daufenbach Richter. Light-induced proton slip and proton leak at the thylakoid membrane. <i>Journal of Plant Physiology</i> . 2004. 161:1325-1337
Justin P. Aguey-Zinsou Ridge. The critical role of tryptophan-116 in the catalytic cycle of dimethylsulfoxide reductase from <i>Rhodobacter capsulatus</i> . <i>FEBS Letters</i> . 2004. 563:197-202
M. T. Allison Rinc. Anaerobic degradation of mimosine-derived hydroxypyridines by cell free extracts of the rumen bacterium <i>Synergistes jonesii</i> . <i>FEMS Microbiology Ecology</i> . 1998. 27:127-132
J. Guerrero Rivas. Characterization of the nitrate-reducing system of the yeast <i>Torulopsis nitratophila</i> . <i>Plant Science Letters</i> . 1973. <HT>1</HT>:105-113

Five electron were compared for their effects on respiration and nitrogenase activity in <i>Azotobacter vinelandii</i> . Metronid
Summary The amount and the redox status of pyridine nucleotides as well as O ₂ gas exchange and delayed fluorescence
The nitrogen-fixing, aerobic hydrogen-oxidizing bacterium <i>Alcaligenes latus</i> forms hydrogenase when growing lithoautot
Summary During de novo fatty acid synthesis in sunflower seeds, saturated fatty acid production is influenced by the con
The charge-transfer complex of dibenzo-24-crown-8 and methyl viologen (reported by Posp
Huge quantities of pesticides are dispersed in the environment, affecting non-target organisms. Since paraquat affects th
The oxidation-reduction midpoint potentials (E _m) of the following compounds have been measured in the range of pH fr
The chemical modification reagents iodoacetic acid (primarily sulfhydryl group directed) and acetic anhydride (primarily
A nitrite reductase from extracts of actively denitrifying <i>Pseudomonas denitrificans</i> (A.T.C.C. 13867) was purified 160-fol
Pyruvate:ferredoxin oxidoreductase, partially purified from extracts of <i>Clostridium acidurici</i> , catalyzes the oxidation and
This research investigated the SO ₂ -induced effects on photosynthetic apparatus in two barley (<i>Hordeum vulgare</i> L.) cultiv
Ferric cytochrome c peroxidase (CCP) undergoes a ligation-state transition from a pentacoordinate, high-spin (5c/hs) her
The distribution properties of haematoporphyrin (HP) and protoporphyrin (PP) (concentration range 0.5
Unilamellar liposomes of dipalmitoylphosphatidylcholine (DPPC) have been choosen as suitable models of cell membran
Orellanine, a toxic principle of <i>Cortinarius orellanus</i> Fr., efficiently inhibited the photosynthetic activity of duckweed, <i>Le</i>
Summary A treatment of leaves of <i>Spinacia oleracea</i> L. with light or with the thiol reagent dithiothreitol in the dark led to
In dimethylsulfoxide reductase of <i>Rhodobacter capsulatus</i> tryptophan-116 forms a hydrogen bond with a single oxo ligar
<i>Synergistes jonesii</i> is a rumen bacterium that degrades toxic pyridinediols from <i>Leucaena leucocephala</i> . This work preser
The assimilatory nitrate-reducing system of the yeast <i>Torulopsis nitratophila</i> has been characterized. Nitrate is reduced t

Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant

Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1
Level 1



4333
4334
4335
4336
4337
4338
4339
4340
4341
4342
4343
4344
4345
4346
4347
4348
4349
4350
4351
4352

Kelly C. S. Fett-Neto Rodrigues. Oleoresin yield of <i>Pinus elliottii</i> in a subtropical climate: Seasonal variation and effect of auxin and salicylic acid-based stimulant paste. <i>Industrial Crops and Products</i> . 2009. 30:316-320
Israel Rubinstein. The influence of the polymer structure on electrochemical properties of uncharged molecules in nafion films on electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> . 1985. 188:227-244
Marasri Kov. Higher plant-like fluorescence induction and thermoluminescence characteristics in cyanobacterium, <i>Spirulina</i> mutant defective in PQH2 oxidation by cytb6/f complex. <i>Journal of Plant Physiology</i> . 2005. 162:1123-1132
Archna Jajoo Sahay. Nitrite regulates distribution of. <i>Plant Physiology and Biochemistry</i> . 2006. 44:12-Jul
B. N. Brown Babu. Quantitative effects of redox-cycling chemicals on the oxidant-sensitive enzyme dihydroxy-acid dehydratase. <i>Microbios</i> . 1995. 82:157-70
A. Krishna Samuni. Superoxide reaction with nitroxide spin-adducts. <i>Free Radical Biology and Medicine</i> . 1989. 6:141-148
Kurt A. Santarius. Freezing of Isolated Thylakoid Membranes in Complex Media. IV. Stabilization of CF1 by ATP and Sulfate. <i>Journal of Plant Physiology</i> . 1987. 126:409-420
M. Paraquat removal from water by oxidation with Fenton's reagent. <i>Chemical Engineering Journal</i> . 2011. 175:279-290
A. Chadha Sarkar. Oxidation and magnetic properties of lead nanoparticles in different matrices. <i>Chemical Physics Letters</i> . 2009. 473:111-115
Takeyoshi Takeshige Sata. Lipid peroxidation by bovine heart submitochondrial particles stimulated by 1,1'-dimethyl-4,4'-bipyridylium dichloride (paraquat). <i>Biochemical Pharmacology</i> . 1983. 32:13-19
S. K. Nicholas Sawhney. Nitrite, hydroxylamine and sulphite reductases in wheat leaves. <i>Phytochemistry</i> . 1975. 14:1499-1503
Klaus Schlegel Schneider. Purification and properties of soluble hydrogenase from <i>Alcaligenes eutrophus</i> H 16. <i>Biochimica et Biophysica Acta (BBA) - Enzymology</i> . 1976. 452:66-80
W. Galv. The microalga <i>Chlamydomonas reinhardtii</i> CW-15 as a solar cell for hydrogen peroxide photoproduction: Comparison between free and immobilized cells and thylakoids for energy conversion efficiency. <i>Solar Energy Materials and Solar Cells</i> . 1995. 39:61-69
Daniel M. Tsang Scott. Mechanistic understanding of monosaccharide-air flow battery electrochemistry. <i>Journal of Power Sources</i> . 2011. 196:10556-10562
Lance C. Arp Seefeldt. Purification to homogeneity of <i>Azotobacter vinelandii</i> hydrogenase: a nickel and iron containing ?? dimer. <i>Biochimie</i> . 1986. 68:25-34
Alexey Yu Mamedov Semenov. Photoelectric studies of the transmembrane charge transfer reactions in photosystem I pigment-protein complexes. <i>FEBS Letters</i> . 2003. 553:223-228
N. D'Orazio Senesi. Adsorption mechanisms of s-triazine and bipyridylium herbicides on humic acids from hop field soils. <i>Geoderma</i> . 1995. 66:273-283
Yosepha Arieli Shahak. Sulfide-dependent photosynthetic electron flow coupled to proton translocation in thylakoids of the cyanobacterium <i>Oscillatoria limnetica</i> . <i>Archives of Biochemistry and Biophysics</i> . 1987. 259:605-615
Samir Sharma. Adaptation of photosynthesis under iron deficiency in maize. <i>Journal of Plant Physiology</i> . 2007. 164:1261-1267
Zhi Zachara Shi. Reductive dissolution of goethite and hematite by reduced flavins. <i>Geochimica et Cosmochimica Acta</i> . 2013. 121:139-154

The extraction of induced oleoresin from <i>Pinus elliottii</i> through bark streaking supplies products to the food, pharmaceutical
The ferrocene/ferricinium couple (FC ⁺ /O) in Nafion films on electrodes behaves in a manner different from that found with
Summary Characterization of the photosynthetic electron transport in a mutant of <i>Spirulina platensis</i> , generated by chemical
The mechanism of distribution of absorbed excitation energy between the two photosystems in the presence of nitrite has been
The [4Fe-4S] cluster-containing enzyme dihydroxy-acid dehydratase (DHAD) is susceptible to inactivation by dioxygen and
The reactions of superoxide radical with persistent nitroxide spin-adducts or with stable spin-labels were studied using ESR
Summary Freeze-thaw treatment of isolated spinach thylakoid membranes in buffered media containing Cl ⁻ , NO ₃ ⁻ , K ⁺ , Na ⁺
Fenton's reaction, an advanced oxidation process (AOP), was studied for paraquat degradation purposes. A parametric study
A systematic study was conducted for in situ synthesis of fine Pb nanoparticles in aqueous gelatin solution and in pre-organized
Paraquat enhanced the NADH-dependent lipid peroxidation of bovine heart submitochondrial particles in the presence of
The inclusion of cysteine and Na-EDTA in the extracting buffer lowered the activity of sulphite reductase extracted from yeast
The soluble hydrogenase (hydrogen: NAD ⁺ oxidoreductase, EC 1.12.1.2) from <i>Alcaligenes eutrophus</i> H 16 was purified 68-fold
Immobilized cells and thylakoid vesicles of the microalga <i>Chlamydomonas reinhardtii</i> CW-15 have been developed as a sensitive
Recently, an inexpensive monosaccharide-air flow battery configuration has been demonstrated to utilize a strong base as
Summary <i>Azotobacter vinelandii</i> hydrogenase has been purified to homogeneity from membranes. The enzyme was solubilized
The results of studies of charge transfer in cyanobacterial photosystem I (PS I) using the photoelectric method are reviewed
Humic acids (HAs) have been isolated according to conventional extraction, fractionation and purification methods from
Light-induced proton translocation coupled to sulfide-dependent electron transport has been studied in isolated thylakoid
Summary This paper explores the effects of high light stress on Fe-deficient plants. Maize (<i>Zea mays</i>) plants were grown
The abiotic reductive dissolution of goethite and hematite by the reduced forms of flavin mononucleotide (FMN ^{H2}) and

Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant